

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

DATE FILED 5-17-84

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN

14-20-H62-3440

DRILLING APPROVED: 5-23-84 - OIL

SPUDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED

FIELD:

UNDESIGNATED

UNIT:

COUNTY:

DUCHESNE

WELL NO.

UTE TRIBAL 25-1

API #43-013-30943

LOCATION

660' FNL

FT. FROM (N) (S) LINE.

660' FEL

FT. FROM (E) (W) LINE.

NENE

1/4 - 1/4 SEC.

25

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

5S

4W

25

IRONWOOD EXPLORATION CO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. BIA 14-20-H62-3440		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute Tribal		
2. NAME OF OPERATOR Ironwood Exploration Company, Inc. 943-2490		7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR 7069 So. Highland Drive, Suite 201, Salt Lake City, UT 84121		8. FARM OR LEASE NAME Ute Tribal		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FNL & 660' FEL At proposed prod. zone Green River		9. WELL NO. #25-1		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 21 miles Southeast of Duchesne, Utah		10. FIELD AND POOL, OR WILDCAT Undesignated		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 25, T5S, R4W		
16. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4300'		12. COUNTY OR PARISH Duchesne		
17. NO. OF ACRES IN LEASE		13. STATE Utah		
18. PROPOSED DEPTH 6500'		14. NO. OF ACRES ASSIGNED TO THIS WELL 40		
19. ELEVATIONS (Show whether DF, RT, GR, etc.) 6268 Gr		20. ROTARY OR CABLE TOOLS Rotary		
21. APPROX. DATE WORK WILL START* May 1984				
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	300	Cmt to surface
7 7/8	5 1/2	17	TD	200' above uppermost hydrocarbon zone.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 5/23/84
BY: John R. Baga

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: Richard M. Markey TITLE: Consulting Geologist DATE: May 1st, 1984
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

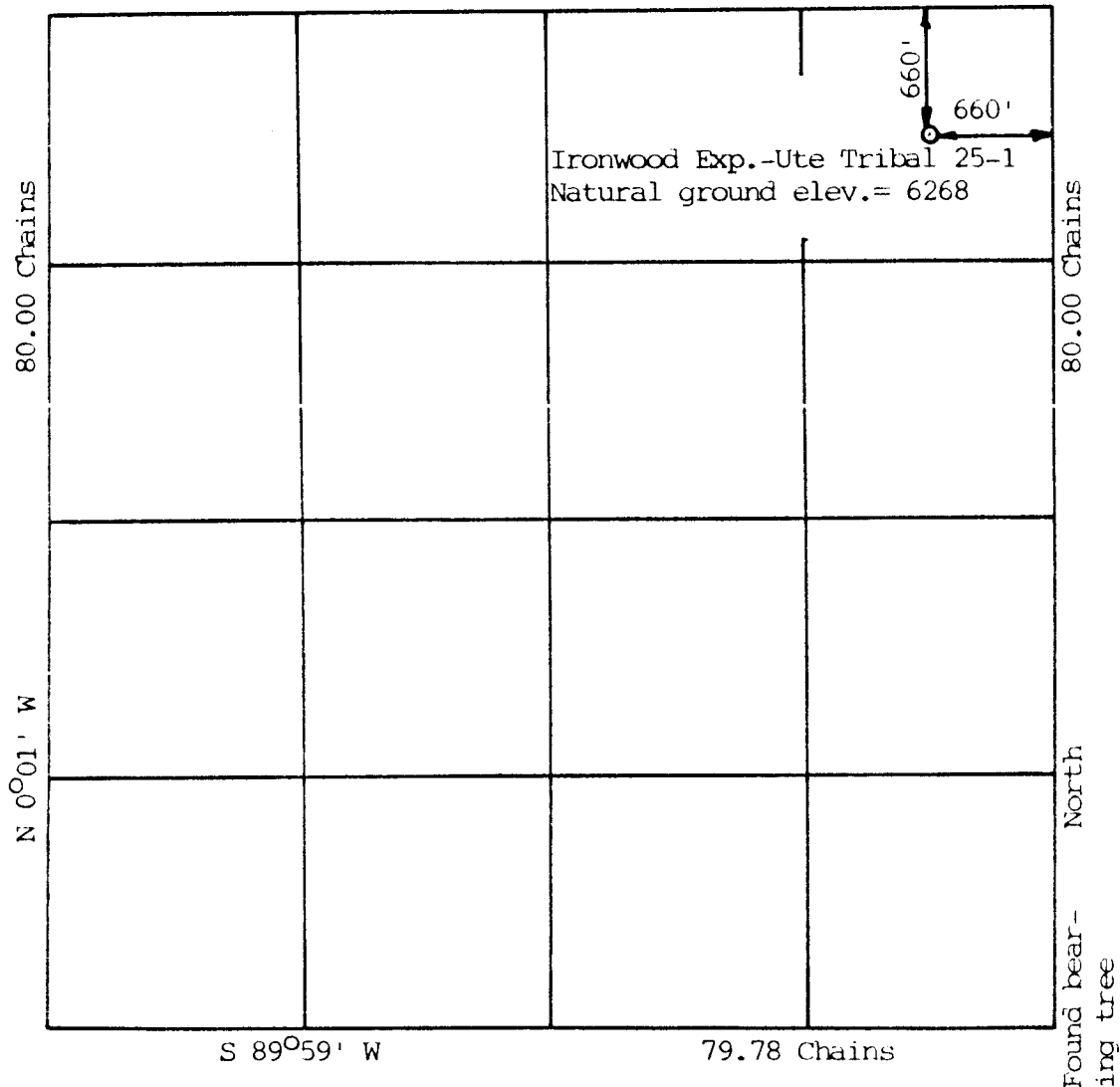
APPROVED BY TITLE DATE
CONDITIONS OF APPROVAL, IF ANY:

SECTION 25
TOWNSHIP 5 SOUTH, RANGE 4 WEST
UINTAH SPECIAL BASE AND MERIDIAN
DUCHESNE COUNTY, UTAH

IRONWOOD EXPLORATION CO.

WELL LOCATION: CENTER N.E. $\frac{1}{4}$, N.E. $\frac{1}{4}$

Found stone S 89°58' W Not in 5232.43' Found stone



Section data obtained from G.L.O. plat.
Job #206



SCALE 1"=1000'

SURVEYOR'S CERTIFICATE

I, Clinton S. Peatross, Duchesne, Utah, do hereby certify that I am a Registered Land Surveyor, and that I hold License No. 4779, as prescribed by the laws of the state of Utah, and that I have made a survey of the oil well location, as shown on this plat.

5/2/84
Date

Clinton S. Peatross
Clinton S. Peatross
License No. 4779 (Utah)



IRONWOOD EXPLORATION INC.

10 Point Well Program

for

Well Location

Ute Tribal #25-5

Located In

Sec. 25, T5S, R4W, U.S.B. & M.

Duchesne County, Utah

Ironwood Exploration Company
Ute Tribal #25-5
NW¼ SW¼ Sec. 25, T5S, R4W
Duchesne County, Utah

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of upper Eocene age.

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	Surface
Green River	885
Wasatch	5745

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River formation
Wasatch formation

4. PROPOSED CASING PROGRAM:

8 5/8", J-55, 24#; set at 300'
5 1/2", J-55, 17#, Stc; set at TD
All casing will be new.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for control equipment are as follows:
A 10" series 900 Hydril bag type BOP and a 10" double ram hydraulic unit with a closing unit will be utilized. Pressure tests of the BOP's to 1000# will be made prior to drilling surface plug and operations will be checked daily (see exhibit A).

6. TYPE AND CHARACTERISTICS OF PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water to the Douglas Creek zone of the Green River formation and will mud thereafter. The mud system will be a water based gelchemical, weighted to 10.0 p.p.g. as necessary for gas control.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly cock, bit float and a T.I.W. valve with drill pipe threads.

8. TESTING, LOGGING AND CORING PROGRAMS:

No coring on drill stem testing has been scheduled for this well. The logging will consist of a Dual Induction Laterolog and a compensated Neutron-formation density.

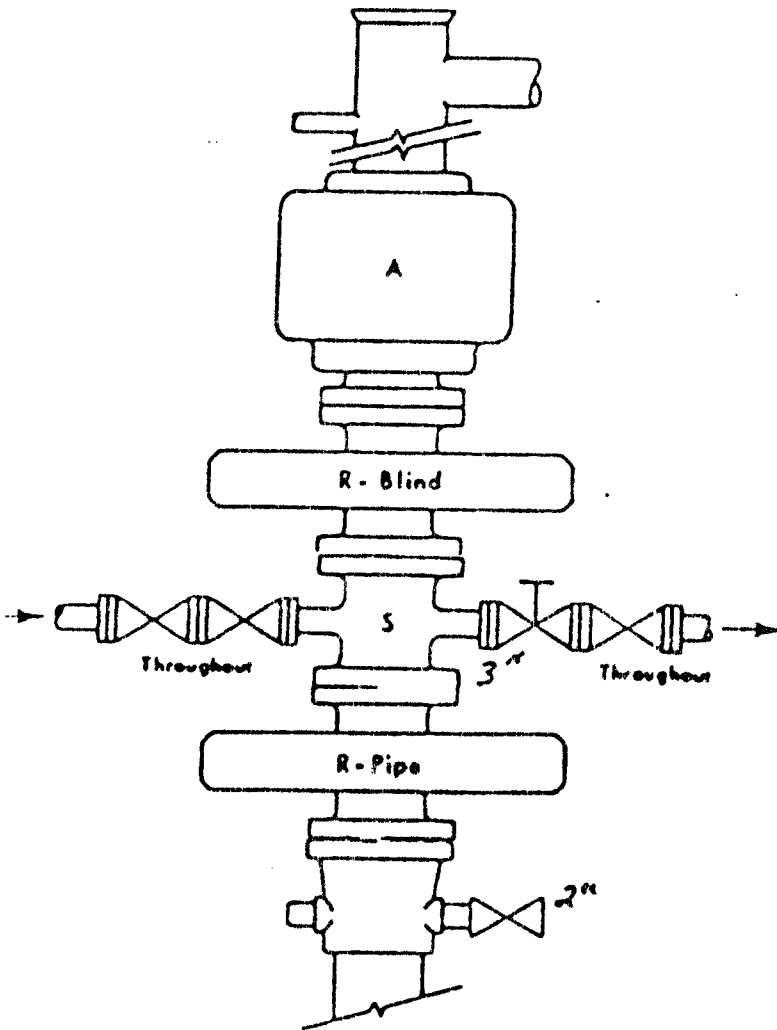
9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

It is not anticipated that abnormal pressures or temperatures will be encountered; nor any other abnormal hazards such as H2S gas will be encountered in this area.

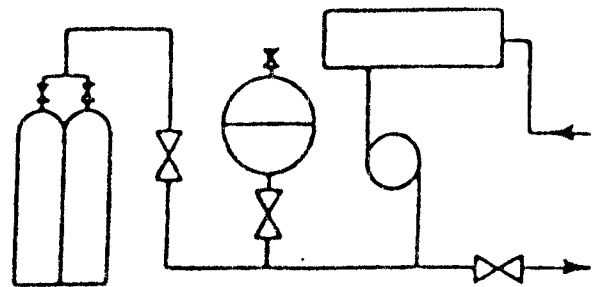
10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that operations will commence approximately May 15, 1984.

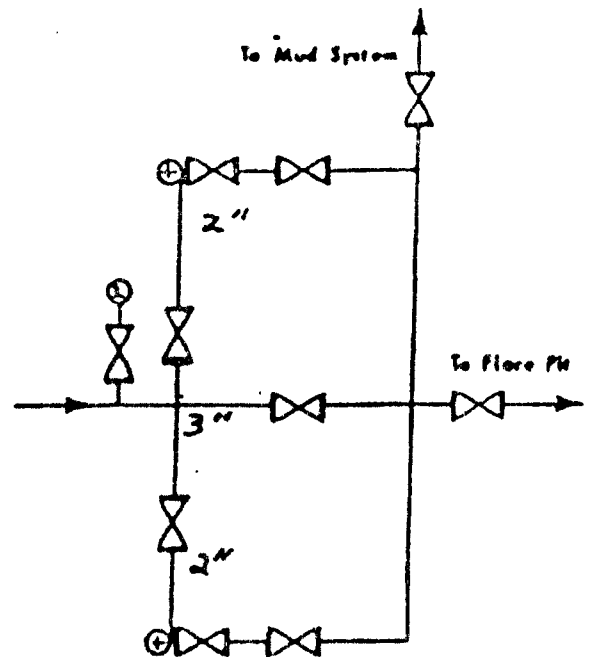
PRESSURE RATING
3,000 psi



BLOWOUT PREVENTION STACK



ACCUMULATOR SYSTEM



Flanged Connections Throughout
MANIFOLD SYSTEM

IRONWOOD EXPLORATION

13 Point: Surface surface

For

Well Location

Ute Tribal #25-1

Located In

Section 25, T5S, R4W, U.S.B. & M.

Duchesne County, Utah

IRONWOOD EXPLORATION
Ute Tribal #25-1
Section 25, T5S, R4W, U.S.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach IRONWOOD EXPLORATION well location site Ute Tribal # 25-1, located in the NE 1/4 NE 1/4 Section 25, T5S, R4W, U.S.B. & M., from Myton, Utah:

Proceed Westerly out of Myton, Utah along U.S. Highway 40 + 8.6 miles to the Junction with an improved county road to the Southwest; proceed Southwesterly along this road 6.2 + miles to its junction with an existing County road which proceeds in a Southerly direction up Antelope Creek; proceed along this road 4.3 miles to its junction with a road to the Southwest; proceed in a Southwesterly direction along this road .42 mile to its junction with the proposed access road (to be discussed in item #2).

U.S. Highway 40 is a bituminous surface road from Myton to the beginning of the county road. This highway is maintained by state road crews. The county road described above is a dirt road that was constructed out of the materials accumulated during its construction. The county road is maintained by Duchesne County Forces.

There is no anticipated construction on any other of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling, completion, and production phases of this well.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing dirt road described in Item #1 in the NW 1/4 Section 25, T5S, R4W, U.S.B. & M., and proceeds in a Northeasterly direction approximately .23 miles to the proposed location site.

All construction, rehabilitation, and maintenance on these roads will meet the standards set forth in the surface operating standards for Oil & Gas Exploration & Development Manuel.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meterological conditions that are prevalent to this area. Maximum width of total disturbed area will not exceed 30'.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

There will be no culverts required along this access road.

There are no fences encountered along this proposed road. There will be no new gates or cattleguards required.

All operators, subcontractors, vendors, and their employees or agents will be confined to established roads and well sites.

All trees four inches or larger in diameter shall be cut and bucked into four foot lengths and neatly staked adjacent to the access road or drill pad. All trees less than four inches in diameter will be cut and trampled by the heavy equipment.

Operators, subcontractors, vendors, and their employees or agents will not gather firewood without a duly granted wood permit.

There should be no additional fill materials required along this road. Water to be used during the construction of the road and drill pad and the drilling of the well will be purchased from irrigation rights in Antelope Creek.

All artifacts found on Tribal Lands shall be left in place and the B.I.A. promptly notified.

All surface and mineral rights belong to the Ute Tribe.

All trash, litter, construction materials, etc., will be kept off of the road way and drill pad. The operator will initiate procedures to keep the site free from litter and keep them groomed and in a neat and professional condition.

Weed control will be coordinated with the B.I.A. Range Conservationist or soil scientist.

3. LOCATION OF EXISTING WELLS

See Topographic Map "E".

There are no known water wells, producing wells, abandoned wells, temporarily abandoned wells, drilling wells, shut in wells, injection wells, monitoring or observation wells for other resources within a one-mile radius of this location site.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

At the present time there are no known IRONWOOD EXPLORATION production facilities, tank batteries, oil gathering lines, gas gathering lines, injection lines, or disposal lines within a one-mile radius of this location site.

In the event that production is established at this location site, all production will be contained within the area of the proposed location site. It is not known at this time what future production facilities will be required at this well site. In the event production is established plans will be submitted to the proper authorities in detail stating the proposed containment and transportation of the produced fluids. Any area required for any future production facilities will be constructed using bull dozers, graders, and workman crews to construct and place the facilities.

If there are any deviations from the above paragraphs, then all appropriate agencies will be notified prior to construction and all necessary requests and applications will be made.

Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item #10.

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed within 90 days after completion with the methods described in the rehabilitation section. Stockpiled topsoil will be used in reclaiming the unused areas.

All permanent (on site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earthtone color to match the standard environmental colors Rocky Mountain 5 State Interagency Committee. All facilities shall be painted within six months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) are excluded.

Tank batteries will be placed on the Southeast corner of the location.

The location will be left open for access thru the location.

5. LOCATION AND TYPE OF WATER SUPPLY

Water to be used in the drilling of this well will be hauled by truck over the existing road described in Item #1 from Antelope Creek in Section 6, T5S, R3W, U.S.B. & M. approximately 7.5 miles by road Northeast of the proposed location site.

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made to acquire the water from other sources and will be hauled by truck over portions of the roads that are described in Items #1 and #2.

The local governmental agencies and any other parties involved will be notified of any deviations and all governing guidelines and regulations will be strictly adhered to.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No additional road gravels or pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native materials that will be used in the construction of this location site and access road will consist of sandy-clay soil and sandstone and shale material gathered during the actual construction of the road and location.

7. METHOD OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will be approximately 10' deep and at least one-half of this depth shall be below the surface of the existing ground.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

The reserve pit will be lined with native clay.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

All garbage and other waste material will be contained in a trash basket made of small mesh wire and will be taken to the nearest sanitary landfill for disposal upon completion of the well. No burning will be allowed.

A portable chemical toilet will be provided for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

All of the agencies shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make them safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, the top 6 to 10 inches of topsoil shall be stripped and stockpiled. (See Location Layout Sheet). When all drilling and production activities have been completed, the location site will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

The drainage re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

As mentioned in Item #7, the reserve pit will be completely fenced with a wire mesh fence and topped with at least one strand of barbed wire, and wired with overhead wire and flagging installed. If there is oil in the pits, it will be allowed to dry completely before covering.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days. The operator or his contractor will notify the B.I.A. and Vernal District B.L.M. Diamond Mountain Resource Area 48 hours prior to beginning any work on Tribal land for restoration purposes.

When restoration activities have been completed, the location site shall be reseeded with a seed mixture recommended by the surface owner when the moisture content of the soil is adequate for germination. Prior to reseeding the ground will be scarified and left with a rough surface. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

The access road will be blocked to prevent any vehicle use.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "B").

The area is at the Southwest end of the Uintah Basin which is formed by the Book Cliff Mountains and the Green River to the South and the Uinta Mountains to the North. The area is interlaced with numerous canyons and ridges formed in sandstone, cobblerock, conglomerate, and shall deposits.

The majority of the smaller drainages are of a non-perennial nature with normal flow limited to the early spring run-off and heavy thunderstorms or rainstorms of high intensity that last over an extended period of time and are extremely rare in nature as the normal annual precipitation is only 8".

The soils of this semi-arid area are of the Uinta Formation and Duchesne River Formation, (the Fluvial Sandstone and Mudstone) from the

Eocene Epoch and Quaternary Epoch (gravel surfaces) and the visible geologic structure consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poor gravels and shales and outcrops of rock (sandstone, mudstone, conglomerate, and shale).

Due to low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush, some grasses and cacti, on the upper benches with cottonwoods, beach, willows, Russian Olives, and grasses along the lower levels close to wet areas and streams.

The fauna of the area consists predominately of the mule deer, coyotes, rabbits and varieties of small ground squirrels and other types of rodents, and various reptiles common to the area. The area is used by man for the primary purpose of grazing domestic livestock.

The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

The Topography of the Immediate Area - (See Topographic Map "B")

The Ute Tribal #25-1 sits on a hillside above the right and left fork of Antelope Canyon. This area has a non-perennial drainage which drains to the Northeast. The ground slopes through the location to the Northeast at a 9.0% slope.

The immediate area around this location is vegetated by sagebrush and grasses, with sparse amounts of Juniper and Pinion Pine.

There are no occupied dwellings or other facilities of this nature in the general area.

All lands that will be damaged by this location site are on Ute Tribal lands.

It will be determined by a certified archeologist whether there are any archeological findings in the immediate area of this location site.

There are no historical or cultural sites within any reasonable proximity of the proposed location site.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Dick Poulson
IRONWOOD EXPLORATION
7069 So. Highland Drive
Salt Lake City, Utah 84121
1-801-943-2490

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have

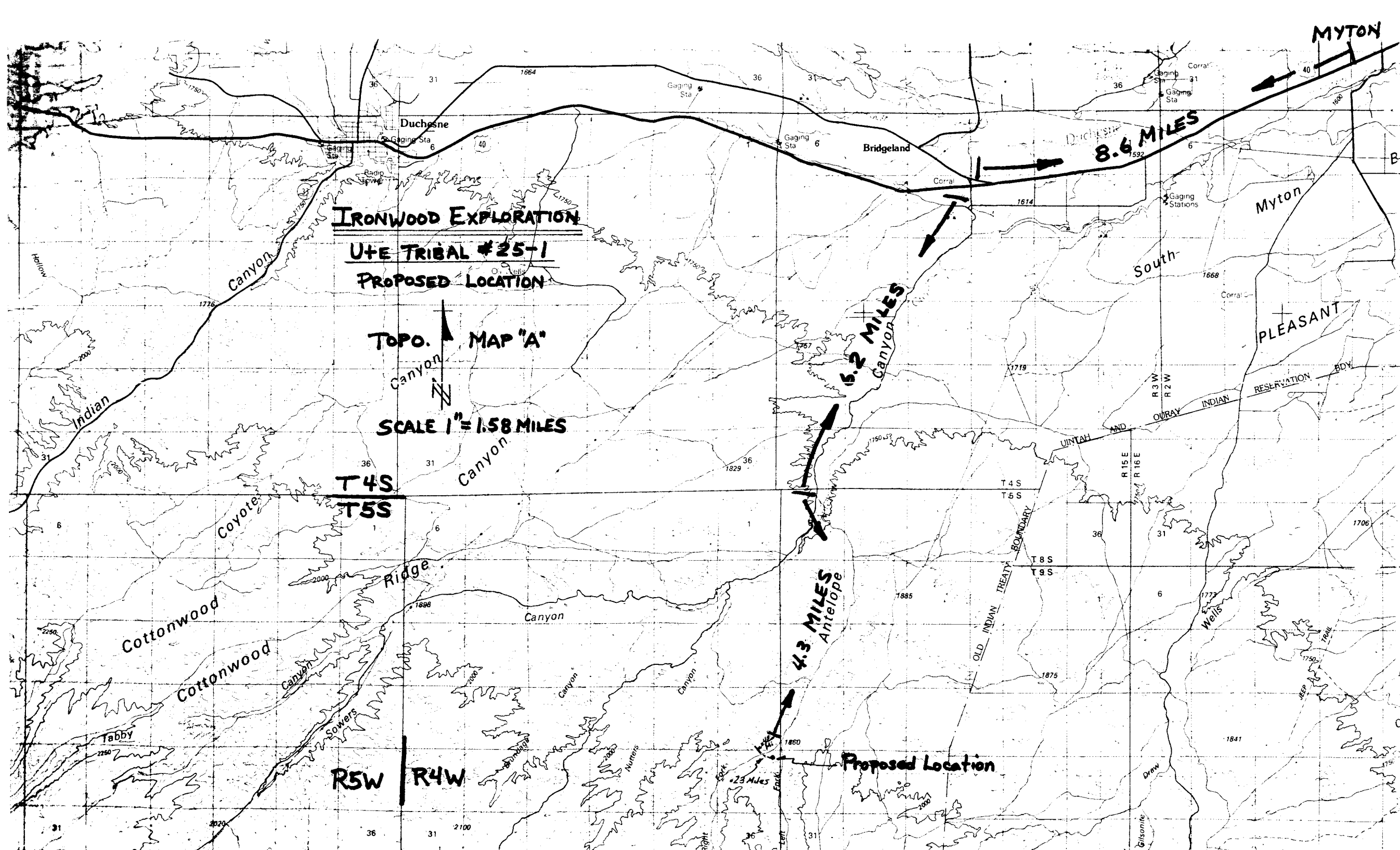
IRONWOOD EXPLORATION
Ute Tribal #25-1
Section 25, T5S, R4W, U.S.B. & M.

inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by IRONWOOD EXPLORATION and it's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

5/17/84
DATE

Richard D. Poulson
RICHARD D. POULSON

RDP/hss



IRONWOOD EXPLORATION

UTE TRIBAL 25-1

PROPOSED LOCATION

TOPO

MAP "B"

SCALE 1" = 2000 FEET

Antelope

R4W
R3W

Sowers

CANYON

4.3 MILES

T5S

ANTELOPE

UTE TRIBAL 25-1

.42 Mi.
.23 Mi.

Fork

Fork

Right

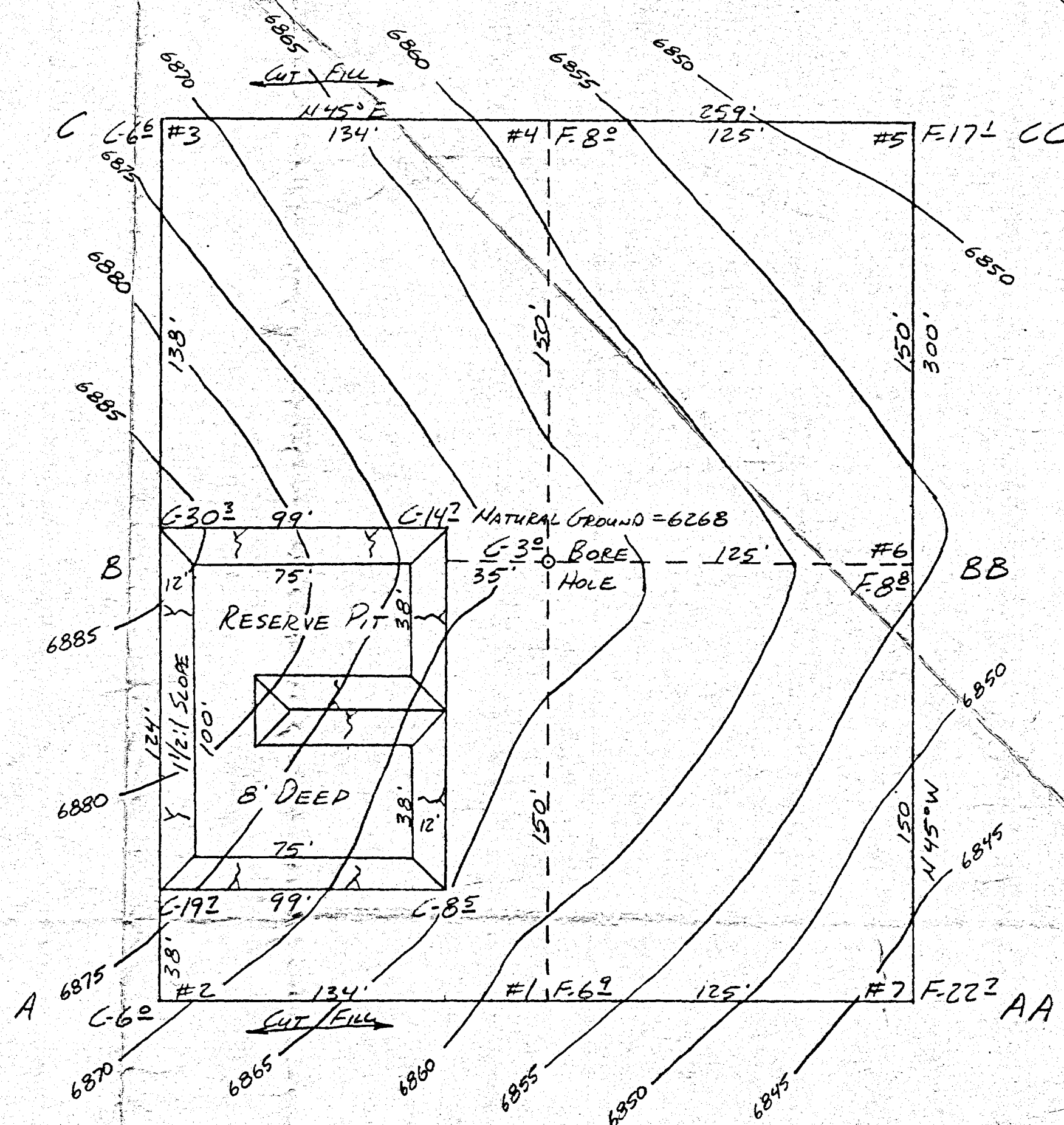
Left

JEEP

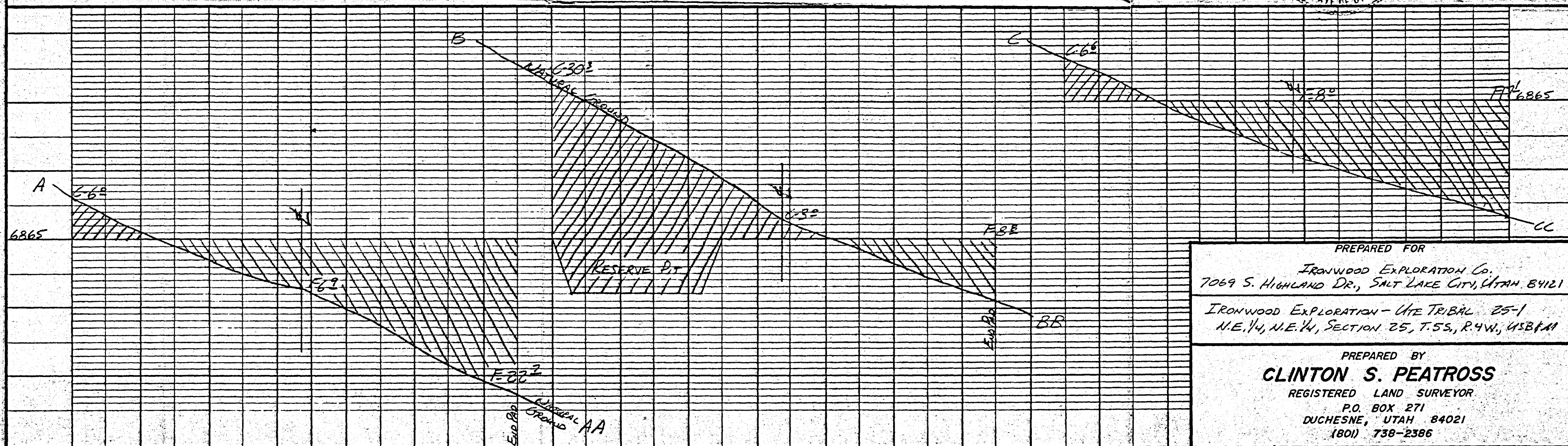
FLORA
 PRICKLEY PEAR
 SAGEBRUSH
 SHADSCALE
 RABBIT BRUSH
 GRASSES
 MTN. MANOGANY
 PINION PINE
 JUNIPER

FAUNA
 ANTELOPE
 DEER
 ELK
 COYOTE
 COTTONTAIL RABBIT
 JACK RABBIT
 MTN. LION
 CROWS
 HAWKS
 BLUEBIRDS
 LIZARDS
 SNAKES

8775 CUBIC YARDS FILL ON PAD
 7579 CUBIC YARDS CUT ON PAD
 2738 CUBIC YARDS CUT ON PIT



HORIZ. SCALE 1"=40'
 VERT. SCALE 1"=10'



PREPARED FOR
 IRONWOOD EXPLORATION CO.
 7069 S. HIGHLAND DR., SALT LAKE CITY, UTAH 84121
 IRONWOOD EXPLORATION - UTE TRIBAL 25-1
 N.E. 1/4, N.E. 1/4, SECTION 25, T.5S, R.4W, USBTAN
 PREPARED BY
CLINTON S. PEATROSS
 REGISTERED LAND SURVEYOR
 P.O. BOX 271
 DUCHESNE, UTAH 84021
 (801) 738-2386

IRONWOOD EXPLORATION CO.

JOB #206



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P.O. Box 853 - Bountiful, Utah 84010
Tel.: 292-7061

May 7, 1984

Subject: Cultural Resource Evaluations of Proposed
Well Locations in the Antelope Canyon
Locality of Duchesne County, Utah

Project: Ironwood Exploration, Ute Tribal No. 25-1 &
No. 25-5

Project No.: IE-84-1

Permit: Dept. of Interior 81-Ut-179

To: Mr. Richard Poulson, Explorations Manager,
Ironwood Exploration, 7069 South Highland,
Suite 201, Salt Lake City, Utah 84121

Mr. Bruce Maytabby, Bureau of Indian Affairs,
Real Property Management, P.O. Box 190, Fort
Duchesne, Utah 84026

Mr. E.L. Duchesne, Ute Indian Tribe, Energy &
Minerals, P.O. Box 190, Fort Duchesne, Utah
84026

Info: Mr. Lloyd Ferguson, District Manager, Bureau
of Land Management, 170 South 500 East,
Vernal, Utah 84078

GENERAL INFORMATION:

On May 3, 1984, F.R. Hauck conducted intensive evaluations of two proposed well locations for Ironwood Exploration during the on-site inspection. These wells include Ute Tribal no. 25-1 and Ute Tribal no. 25-5. The locations are in the Antelope Canyon locality of Duchesne, County. Ute Tribal 25-1 is situated in the NE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 25, Township 5 South, Range 4 West. Location Ute Tribal 25-5 is in the bottom of the canyon, adjacent to the existing road, in the SW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of the same section. A .35 mile long access road will be constructed to connect Ute Tribal 25-1 to the existing road if that location is developed.

RESULTS:


No cultural resource sites were identified during the evaluations. One definite and 4 possible metates were observed within the flagged location 25-1. No other cultural material, or evidences of occupation were found on the location. The archeologist concluded that the 5 sandstone slabs situated in random positions do not constitute a cultural resource site without additional cultural material being present.

CONCLUSION AND RECOMMENDATIONS:

AERC recommends that a cultural resource clearance be granted to Ironwood Exploration for the development of the locations based upon adherence to the following stipulations:

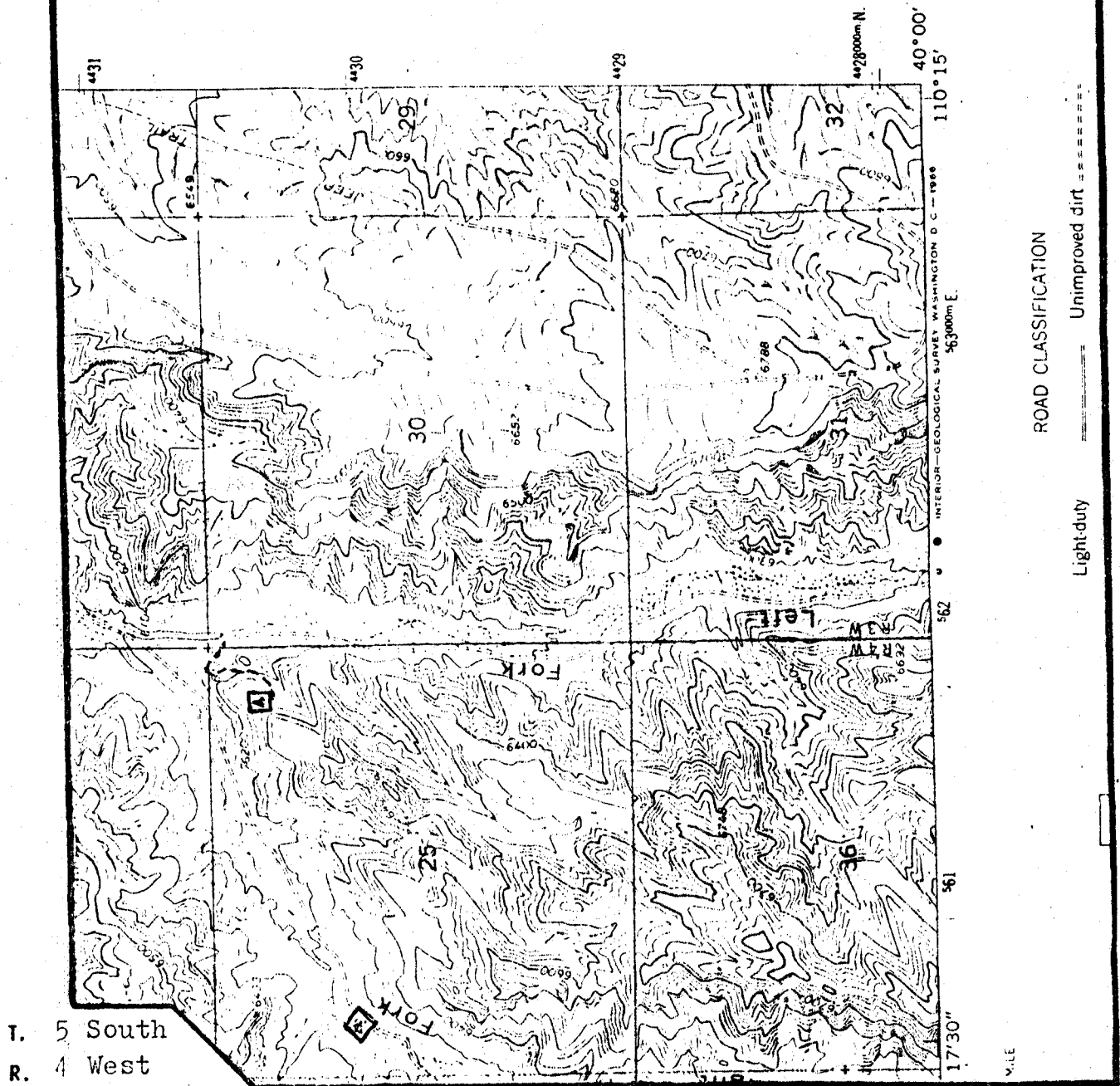
1. The sandstone slabs situated on Ute Tribal 25-1 should be removed from the location prior to any construction on that unit;

2. all vehicle traffic, personnel movement, and construction should be confined to the locations examined;
3. all personnel should refrain from collecting artifacts or from disturbing any cultural resources within the area; and
4. a qualified archeologist should be consulted should cultural remains from subsurface deposits be exposed during the operations.



F. R. Hauck, Ph.D.
President

Salt Lake City



I. 5 South
R. 4 West

Meridian: Uintah B. & M.

Quad:

Duchesne SE, Ut.
7.5 minute-USGS

Project: IE-84-1

Series: Uinta Basin

Date: 5-7-84

Cultural Resource Survey
of Ute Tribal No. 25-1
and Ute Tribal No. 25-5
in the Antelope Canyon
Locality of Duchesne
County, Utah

Legend:

Well Location

Access Road



2.64" = 1 mile

Scale



7069 SOUTH HIGHLAND DRIVE SALT LAKE CITY, UTAH 84121 (801) 943-2490

October 13, 1983

Mr. Richard D. Poulson
Ironwood Exploration, Inc.
7069 South Highland Drive
Suite 201
Salt Lake City, Utah 84121

Dear Dick:

This letter hereby grants approval and authorization for you to sign the drilling contract with Brinkerhoff Signal on the terms and conditions pursuant to our discussion of October 13, 1983.

Very truly yours,

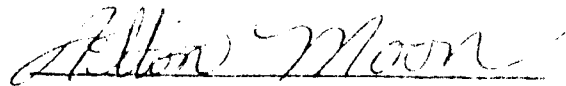
William H. Walton
President

WHW/aa

September 22, 1983

TO WHOM IT MAY CONCERN:

I have made an agreement with Ironwood Exploration to sell them water for their wells in sections 12, 13, 23, 24, and 25 in Duchesne County.

A handwritten signature in cursive script that reads "Alton Moon". The signature is written in dark ink and is positioned above a horizontal line.

Alton Moon

RECEIVED

SEP 27 1983

WATER RIGHTS

APPLICATION NO.

DISTRIBUTION SYSTEM

83-43-17

Application For Temporary Change of Point of Diversion, Place or Purpose of Use STATE OF UTAH

(To Be Filed in Duplicate)

Salt Lake City, Utah September 27 1983

Place

Date

For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use
(Strike out written matter not needed)

of water, the right to the use of which was acquired by A-994-a (43-1689)

(Give No. of application, title and date of Decree and Award No.)

to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. The owner of right or application is. Alton Moon
2. The name of the person making this application is. Ironwood Exploration, Inc.
3. The post office address of the applicant is. 7069 South Highland Drive, Salt Lake City, UT 84121 Suite 201

PAST USE OF WATER

4. The flow of water which has been used in second feet is. 2.29
5. The quantity of water which has been used in acre feet is.
6. The water has been used each year from. April 1 to September 30
(Month) (Day) (Month) (Day) incl.
7. The water has been stored each year from. to incl.
(Month) (Day) (Month) (Day)
8. The direct source of supply is. Antelope Creek in Duchesne County.
9. The water has been diverted into. ditch at a point located South 79°56' West
2138 ft. from the E $\frac{1}{2}$ Cor., Sec. 31, T4S, R3W, USB&M
10. The water involved has been used for the following purpose: Irrigation

Total. 129.2 acres.

NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purposes, give place and purpose of use.

THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

11. The flow of water to be changed in cubic feet per second is.
12. The quantity of water to be changed in acre-feet is. 15.0
13. The water will be diverted into the. ditch at a point located 1) N 1250 ft. & W 1100 ft. from the SE Cor., Sec. 10, T5S, R4W; 2) S 1200 ft. & W 2000 ft. from the NE Cor., Sec. 6, T5S, R3W; 3) N 1500 ft. & W 1900 ft. from the SE Cor., Sec. 31, T4S, R3W, all USB&M.
14. The change will be made from. October 15 1983 to October 15 1984
(Period must not exceed one year)
15. The reasons for the change are. To use a part of the right for oil field use.
16. The water involved herein has heretofore been temporarily changed. 0 years prior to this application.

(List years change has been made)

17. The water involved is to be used for the following purpose: Oil well drilling and production purposes on the following wells. 13-15, 23-3, 24-12, 12-TBA, 25-TBA.

Total. acres.

NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

EXPLANATORY

A filing fee in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer.

Signature of Applicant

RULES AND REGULATIONS

(Read Carefully)

This application blank is to be used only for temporary change of point of diversion, place or nature of use for a definitely fixed period not to exceed one year. If a permanent change is desired, request proper application blanks from the State Engineer.

Application for temporary change must be filed in duplicate, accompanied by a filing fee of \$5.00. Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:

State Engineer
State Capitol Building
Salt Lake City, Utah

STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

Change Application No. 83-43-17 (River System)

1. Application received by Water Commissioner (Name of Commissioner)
2. Recommendation of Commissioner
3. Application received over counter by mail in State Engineer's Office by CP
4. Fee for filing application, \$7.50, received by CP; Rec. No. 03613
5. Application returned, with letter, to _____, for correction.
6. Corrected application resubmitted over counter by mail to State Engineer's Office.
7. Fee for investigation requested \$ _____
8. Fee for investigation \$ _____, received by _____; Rec. No. _____
9. Investigation made by _____; Recommendations: _____
10. Fee for giving notice requested \$ _____
11. Fee for giving notice \$ _____, received by _____; Rec. No. _____
12. Application approved for advertising by publication mail by _____
13. Notice published in _____
14. Notice of pending change application mailed to interested parties by _____ as follows: _____
15. Change application protested by _____ (Date Received and Name)
16. Hearing set for _____ at _____
17. Application recommended for rejection approval by _____
18. Change Application rejected approved and returned to _____

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. _____
2. _____
3. _____

POOR COPY
State Engineer



First Interstate Building
P.O. Box 359
Casper, Wyoming 82602
307/234-1593

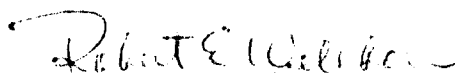
September 28, 1983

RE: BRUNDAGE CANYON PROSPECT
Duchesne County, Utah
Township 5 South-Ranges 4 & 5 West

TO WHOM IT MAY CONCERN:

I hereby acknowledge that I have never owned any overriding royalty in the above described lands and that by Assignment of Overriding Royalty dated January 31, 1983, recorded February 28, 1983, in Book 178, Page 231, records of Duchesne County, purporting an overriding royalty interest from myself to Husky Oil Company was in error. Should you need further assurance, please advise.

Sincerely,


Robert E. Wellborn



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

UINTAH AND OURAY AGENCY

Fort Duchesne, Utah 81026

(801) 722-2406 Ext. 33/34

IN REPLY REFER TO:

Real Property Management
Ten. and Mgmt.

APR 26 1984

Ironwood Exploration
7069 South Highland Drive
Salt Lake City, Utah 84121

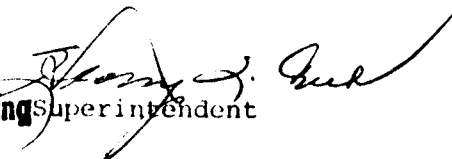
Attention: Richard M. Markey

Gentlemen:

This is in reference to your application for permission to survey for
well location and access road dated April 19, 1984,
location is in the SW $\frac{1}{4}$ NW $\frac{1}{4}$, section 25, T. 5 S., R. 4 W., U.S.B. & M.
_____. Permission is granted, pending completion of
all requirements for right(s)-of-way (see 25 CFR 169).

Please retain this letter as your permit to enter upon Ute Tribal lands
and remind your field personnel of the firearms restriction on the Uintah
and Ouray Reservation.

Sincerely yours,


Acting Superintendent

*Note: a BIA official was present for the survey on location 25-1
NE $\frac{1}{4}$ NE $\frac{1}{4}$ of section 25.*



7069 SOUTH HIGHLAND DRIVE SALT LAKE CITY, UTAH 84121 (801) 943-2490

April 25, 1984

Bureau of Indian Affairs
Uintah and Ouray Agency
Fort Duchesne, Utah 84026

Attn: O. Roland McCook

Dear Sir:

Ironwood Exploration, Inc. in accordance with NTL-6 regulations, respectfully requests permission to survey on one well location. The well will be located as follows:

Ute Tribal #25-1, NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 25, T5S, R4W, U.S.B. & M. BIA 14-20-H62-3440.

Existing roads will be used as much as possible in acquiring access to the location.

The attached topographic map shows the location of the well, and the road leading to it.

Thank you in advance for your help in this matter.

Sincerely,

Richard M. Markey
Consultant for Ironwood Exploration

RMM/hss
Attachment

NOTICE OF STAKING
(Not to be used in place of
Application to Drill Form 9-331-C)

RMOGA
5/5/82

5. Lease Number
14-20-H62-3440

1. Oil Well ☒ Gas Well ☒ Other

6. If Indian, Allottee or Tribe Name
Ute Tribal

7. Unit Agreement Name

2. Name of Operator
Ironwoods Exploration, Inc.

8. Farm or Lease Name
Ute Tribal

3. Address of Operator or Agent
7069 S Highland Dr. Suite 201
Salt Lake City, Utah 84121 801-943-2490

9. Well No.

4. Surface Location of Well
(Governmental 1/4 or 1/4 1/4)

Ute Tribal 25-1

Section 25, T5S, R4W, U.S.B. & M.
NE $\frac{1}{4}$ NE $\frac{1}{4}$

Attach: Topographical or other acceptable map
showing location, access road, and lease boundaries.

10. Field or Wildcat Name
Wildcat

14. Formation Objective(s)

15. Estimated Well Depth

Lower Green River

6500'

11. Sec., T., R., M., or
Blk and Survey or Area
Sec. 25, T5S, R4W, U.S.B & M.

12. County or Parish
Duchesne

13. State
Utah

16. To Be Completed by Operator Prior to Onsite

- a. Location must staked
- b. Access Road Flagged
- c. Sketch and/or map of location, showing road, pad dimensions, reserve pit, cuts, and fills
(To be provided at onsite)

17. To Be Considered By Operators Prior to Onsite

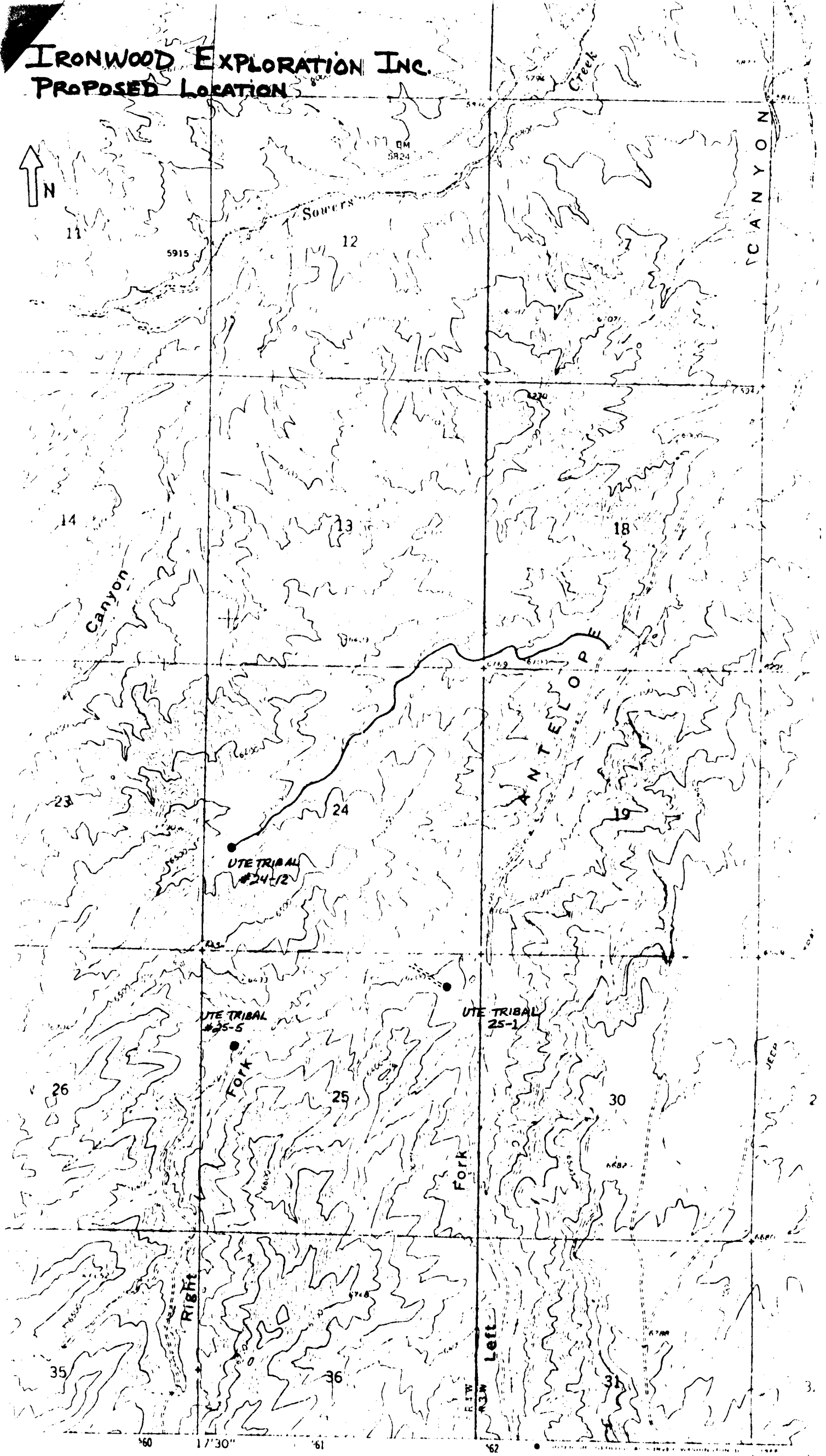
- a. H₂S Potential
- b. Private Surface Ownership
- c. Cultural Resources (Archaeology)
- d. Federal Right of Way

18. Additional Information

19. Signed Richard M. Markey Title Agent Date 9/14/83

IRONWOOD EXPLORATION INC.

PROPOSED LOCATION



OPERATOR Ironwood Petroleum DATE 5-22-84
WELL NAME Ute Tribal #25-1
SEC NE NE 25 T 5S R 4W COUNTY Blaine

43-013-30943
API NUMBER

Indian
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

HL

☐☐

NID

☐

PI

☐☐

MAP

☐☐

PROCESSING COMMENTS:

No other wells within 1000'
Water of Permit # 83-43-17 & by Law (Verne)
Water Right

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☒

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER _____

☐ UNIT _____

☒ c-3-b

☐ c-3-c

☐ CHECK DISTANCE TO NEAREST WELL.

☐ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☐ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☐ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

UNITED STATES
GEOLOGICAL SURVEY

SCIENTIFIC INFORMATION
(FORWARD TO THE BUREAU OF LAND MANAGEMENT)
(REVERSE SIDE)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

14-20-H62-3440

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Ute Tribal

9. WELL NO.

25-1

10. FIELD AND POOL, OR WILDCAT

Undesignated

11. SEC., T., R., M., OR BLK. AND
SUBST. OR AREA

Sec 25, T5S, R4W

12. COUNTY OR PARISH 13. STATE

Duchesne

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

Ironwood Exploration

3. ADDRESS OF OPERATOR

P.O. Box 1656 Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

NE 1/4 NE 1/4 Sec. 25

14. PERMIT NO.

43-013-30943

15. ELEVATIONS (Show whether DT, RT, OR, etc.)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) intent to drill

☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

REPAIRING WELL

☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The APD's for this well has been filed with the BLM and the State.
To date the well has not been spudded.

Ironwood intends to drill this well, however the spud date is
still uncertain at this time.

18. I hereby certify that the foregoing is true and correct

SIGNED

MS Allen

TITLE Agent for Ironwood

DATE 10-1-84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

May 23, 1984

Ironwood Exploration Company, Inc.
7069 South Highland Drive, Suite 201
Salt Lake City, Utah 84121

RE: Well No. Ute Tribal #25-1
NTE Sec. 25, T. 5S, R. 4W
660' FHL, 660' FEL
Duchesne County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Associate Director, Telephone (801) 533-5771 (Office), 571-6068 (Home).
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.
5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-30943.

Sincerely,


R. J. Firth
Associate Director, Oil & Gas

RJF/as
cc: Branch of Fluid Minerals
Bureau of Indian Affairs
Enclosures



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 18, 1985

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Gentlemen:

Re: Well No. Ute Tribal 25-1 - Sec. 25, T. 5S., R. 4W.,
Duchesne County, Utah - API #43-013-30943

The above referenced well in your district was given state approval to drill May 1, 1984. This office has not received notification of any activity on this location.

Please let me know what action, if any, the Bureau of Land Management is taking on this well.

Thank you for your help in keeping our records up to date.

Sincerely,

Pam Kenna
Well Records Specialist

Enclosure
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0170S/54

To: John Baza
From: Ed Deputy

Alta Energy Corp.

Getty 7B

Sec. 7 - 9 S - 17 E

Duchesne Co.

A"

4-15-86

APD rescinded:

06-20-85

A Per Bennis at Vernal BLM:

C APD not approved.
Returned to operator.

nded.
85

Se

Di

AP.

Bea

Federal 35-6

Sec. 35 - 15 S - 22 E

Uintah Co.

API No. 43-047-31495

red to operator

Not approved

08-07-84

Crestone Energy Corp.

Wells Federal 3-1

Sec. 3 - 11 S - 23 E

Uintah Co.

API No. 43-047-31602

APD returned to Operator

Not approved

no date

Del-Rio Resources

Oil Canyon 11-1A

Sec. 11 - 14 S - 20 E

Uintah Co.

API No. 43-047-31420

Suspended Operations

APD not approved

trouble getting surface approval from
Tribe

APD will be approved sometime
in July, 1986

To: John Baza
From: Ed Deputy

Alta Energy Corp.

Getty 7B

Sec. 7 - 9 S - 17 E

Duchesne Co.

API No. 43-013-30927

APD rescinded:

06-20-85

Alta Energy Corp.

Getty 7E

Sec. 7 - 9 S - 17 E

Duchesne Co.

API No. 43-013-30928

APD rescinded:

06-20-85

Beartooth Oil & Gas Co.

Federal 35-6

Sec. 35 - 15 S - 22 E

Uintah Co.

API No. 43-047-31495

APD returned to operator

Not approved

08-07-84

Crestone Energy Corp.

Wells Federal 3-1

Sec. 3 - 11 S - 23 E

Uintah Co.

API No. 43-047-31602

APD returned to Operator

Not approved

no date

Del-Rio Resources

Oil Canyon 11-1A

Sec. 11 - 14 S - 20 E

Uintah Co.

API No. 43-047-31420

Suspended Operations

APD not approved

trouble getting surface approval from
Tribe

APD will be approved sometime
in July, 1986

Ironwood Exploration Co.
Ute Tribal 25-1
Sec. 25 - 55 - 4W
Duchesne Co.
API No. 43-013-30443

APD not approved
Returned to Operator

Lomax Exploration Co.
B.C. Ute Tribal 16-14
Sec. 14 - 55 - 4W
Duchesne Co.
API No. 43-013-31017

APD Expires April 16, 1986

Lomax Exploration Co.
W. Monument Federal 11-28
Sec. 28 - 85 - 16E
Duchesne Co.
API No. 43-013-31062

Extension granted
APD expires
March 26, 1987

Lomax Exploration Co.
Castle Peak Federal 3-23
Sec. 23 - 95 - 16E
Duchesne Co.
API No. 43-013-31063

Extension granted
APD expires
Dec. 11, 1986



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 16, 1986

Ironwood Exploration Company
8866 Scenic Highway
Pensacola, Florida 32514

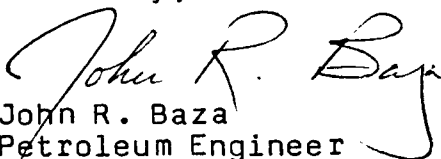
Gentlemen:

RE: Well No. Ute Tribal 25-1, Sec.25, T.5S, R.4W,
Duchesne County, Utah, AFI NO. 43-013-30943

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,


John R. Baza
Petroleum Engineer

sb
cc: BLM-Vernal
D. R. Nielson
R. J. Firth
Well file
0278T-33